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DIRECTORATE OF
INTELLIGENCE

Industrial Facilities
(Non-Military)

Basic Imagery Interpretation Report

Kiyang Tractor and Construction Machinery Plant
Kiyang, North Korea

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RCS 13/0049/71
DATE JUNE 1971
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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

INSTALLATION OR ACTIVITY NAME	COUNTRY
Kiyang Tractor and Construction Machinery Plant	KN

UTM COORDINATES	GEOGRAPHIC COORDINATES
51SYD184101	38-54-37N 125-31-50E

MAP REFERENCE

USN00. USATC, Series 200, Sheet M0380-7HL, 4th ed, Nov 68, Scale 1:200,000 (SECRET/

LATEST IMAGERY USED	NEGATION DATE (If required)
14 March 1971, GS-334	NA

ABSTRACT

Kiyang Tractor and Construction Machinery Plant reportedly produces tractors and farm implements. Three types of tractors have been observed at the plant on photography. One is the Chollima-28, which is wheeled and has a 28-horsepower engine. The other two types are a smaller tractor which is probably wheeled and a larger tractor which is possibly tracked.

The plant contains a large final assembly building, a probable foundry, a forge/foundry, a probable machine shop, several workshops, and numerous administration, support and storage buildings. In May 1966, the date of the earliest photography used in this study, the plant was complete. Since that time only minor support buildings have been added.

The plant has appeared active on all coverage from May 1966 through March 1971. Coverage of the plant in September 1970 revealed 326 tractors including at least 55 possible Chollima-28s. It was not possible to count the equipment present on the other coverages.

This report includes a photograph of the plant, provides a discussion of operational functions and production activity, and lists the facilities present.

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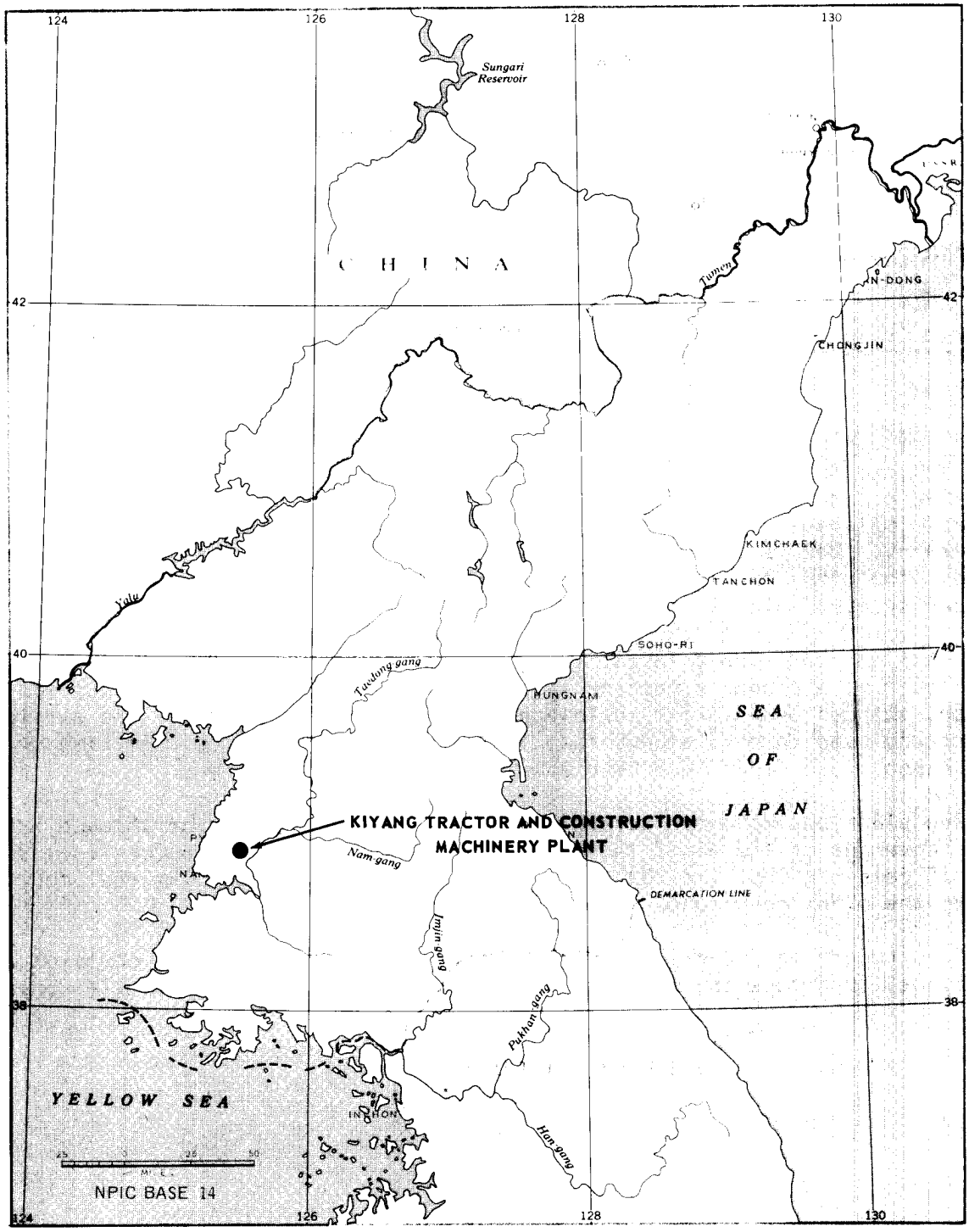

FIGURE 1. LOCATION MAP.

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INTRODUCTION

Kiyang Tractor and Construction Machinery Plant is located on the eastern edge of Kiyang, about 12 nautical miles southwest of Pyongyang (see Figure 1). According to a US Defense Department report, this was previously the site of the Japanese-built Asahi Light Metals Plant which was destroyed during the Korean War. 1/ Afterward, the Kiyang Implement Plant was reportedly built at this location with Soviet aid and began operating in 1957. North Korea's first large agricultural tractor, the Chollima-28, was developed here in 1958. It was a copy of the Soviet T-28, a 28-horsepower wheeled tractor. In 1959, the plant name was changed and it was reported to be the country's only tractor manufacturing plant. The Pungnyon-75 tracked tractor was developed at this plant in 1962 and put into serial production in 1963.

BASIC DESCRIPTION

Physical Features

The Kiyang plant is in an irregular-shaped area approximately 2,100 by 1,600 feet (see Figure 2). It occupies about 96 acres and is partially secured by fence and wall. The plant is served by road and by a spur from the Pyongyang-Chinnampo rail line.

The main production facilities within the plant include a large final assembly building, a forge/foundry, a probably foundry, a probable machine shop, and a U-shaped workshop. The plant also contains three other workshops, three administration buildings, a shipping building, a raw materials storage building, a sawmill, a steam plant, a substation with a large control building, and several other storage and support buildings (see Table 1). The plant has several open storage areas for materials such as spare parts ready for shipment, raw materials, and tractors.

In May 1966, the date of the earliest photography used in this study, the plant was complete. Since that time the only additions have been minor support buildings constructed between February 1968 and September 1970.

Operational Functions

This plant reportedly produces several types of tractors and various types of farm implements. 1/ Three types of tractors have been observed at the plant on photography. Only one type has been identified--the Chollima-28, which is wheeled and has a 28-horsepower engine. The other two types are a smaller tractor which is probably wheeled and a larger tractor which is possibly tracked. Crates observed in a storage yard indicate that the plant may also be producing spare parts and farm implements.

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Table 1. Facilities at Kiyang Tractor and Construction Machinery Plant
(Keyed to Figure 2)

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Item	Description	Remarks	Item	Description	Remarks	Item	Description	Remarks
1	Forge/Foundry		10	Shipping Building		20	Administration Building	3-story
2	Final Assembly Building		11	Storage Yard	Possibly for spare parts or farm implements	21	Tractor Storage Area	
3	Tractor Storage Area					22	Open Storage Area	Raw materials
4	Workshop	U-shaped	12	Workshop		23	Storage Shed	
5	Storage/Support Buildings (4)		13	Steam Plant		24	Probable Foundry	
			14	Storage Building		25	Vehicle Storage Area	
			15	Control Building	3 transformers in adjacent substation	26	Storage Building	
6	Support Building	3-story	16	Unidentified Building		27	Guardhouse and 2 Support Buildings	
7	Probable Machine Shop		17	Tractor Storage Area		28	Sawmill	5 buildings
8	Administration Building	3-story	18	Administration Building	2-story 3-story	29	Workshop	Associated with sawmill
9	Workshop		19	Raw Materials Storage Building		30	Motor Pool	
						31	Support Building	

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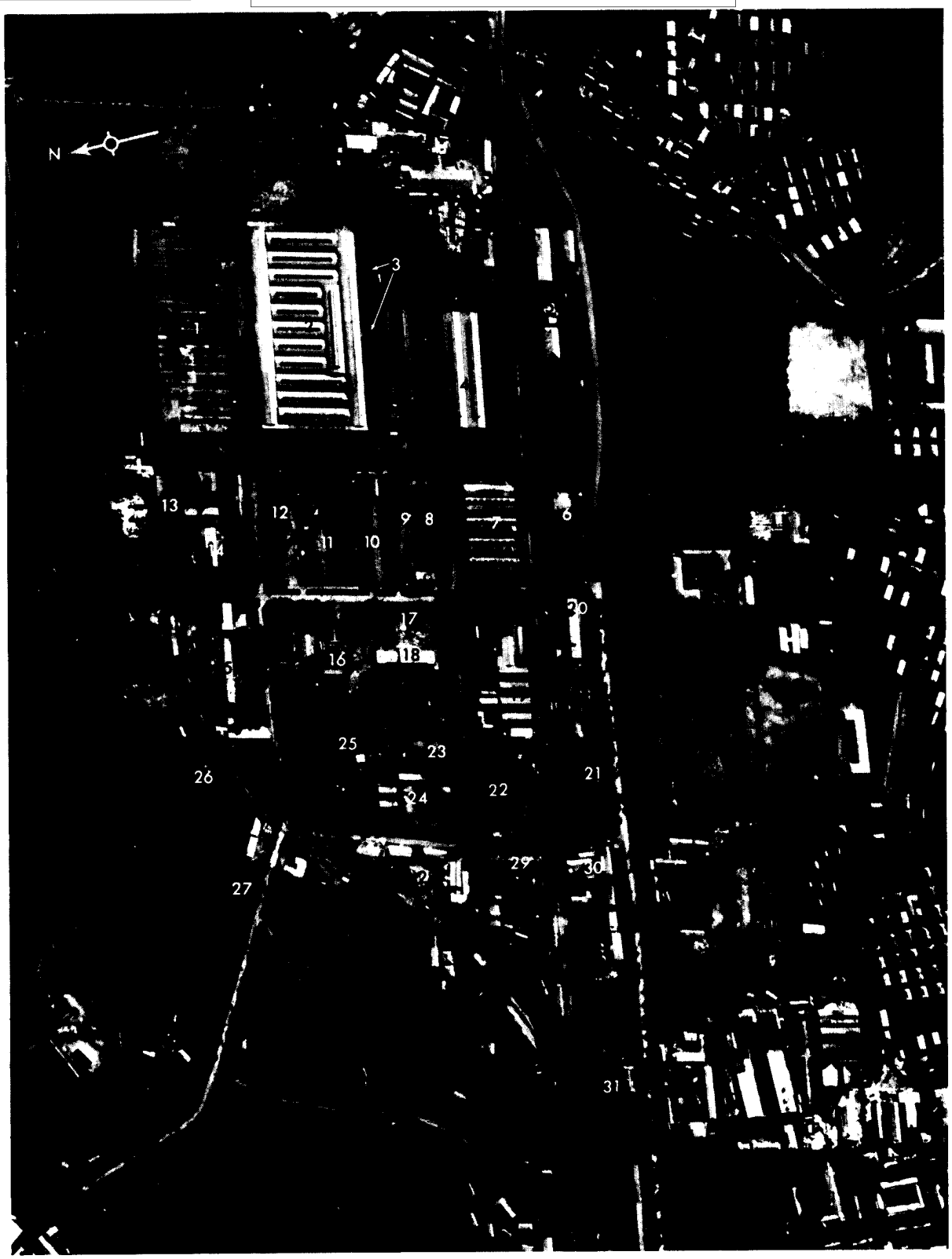

FIGURE 2. KIYANG TRACTOR AND CONSTRUCTION MACHINERY PLANT,

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Production Activity

The plant has appeared active on all photographic coverage from May 1966 through March 1971. In September 1970, 326 tractors and six possible prime movers were observed. At least 55 of the tractors were possible Chollima-28s; the other types of tractors could not be identified. In addition, a large storage yard was filled with crates which may have contained spare parts or farm implements ready for shipment.

On the other coverages it was not possible to count the equipment present because of the small scale and poor quality of the photography. Based on analysis of the areas used to store the finished tractors, it is judged that, compared with September 1970, there were at least 50 percent fewer tractors present in December 1970 and at least 10 percent fewer in March 1971. Probable tractors were observed on the other coverages but the number appeared to be very small. The possible prime movers were seen only on the September photography and probably were not manufactured at this plant.

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